PHENIX WEEKLY PLANNING



12/6/12 Don Lynch



Last Week

T		
ECH	•	Continue installing VTX/FVTX (Install east $\frac{1}{2}$ (Done), finish survey (Done), continue connecting cabling and services)
	•	Re-install MMN access panel on lampshade - Done
Ň	•	Substation breaker upgrade/test (CAD) (Dec 1) - Done
Ţ	•	Remove South Sta. 1 scaffolding - Done
NTCAL	•	Move MuID collars to IR - Done
Ĉ	•	Move manlift, plates and 12 ton cart to AH - Done
S	•	Install MTP patch bay and jumpers for FVTX in counting house - Done
ũ	•	Add several backup MTP fibers from CH to IR
U P	•	Move EC to IR
POR	•	Continue VTX Cooling System Upgrade
0	•	Continue RPC3 Gas Recirculation Upgrade
Ť	•	Continue working on RPC3 shielding
•	•	Continue window Washer safety upgrades
2	•	Continue sPHENIX design support
1	•	Continue MPC-Ex design support
Z	•	Continue Prepping EC for move to IR



Next Week

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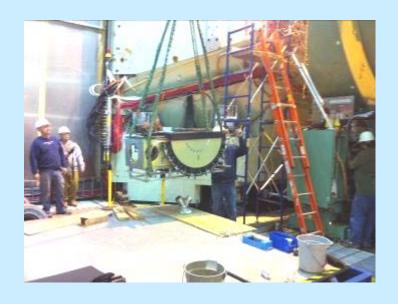
•	Continue installing VTX/FVTX (continue connecting cabling and services)
•	Add several backup MTP fibers from CH to IR

- Move EC to IR
- Restore EC services
- Move MMS to run position
- Re-install MuID Collars
- Re-install EC dumbwaiter and ladder (evaluate ladder safety?)
- Complete VTX Cooling System Upgrade
- Continue RPC3 Gas Recirculation Upgrade
- Continue working on RPC3 shielding
- Continue window Washer safety upgrades
- Continue sPHENIX design support
- Continue MPC-Ex design support
- Begin Pink/White/Blue sheets

Substation breaker upgrade/test (CAD



bec 1. Drawings/wiring schemes by P. Giannotti have been reviewed and approved by CAD. Paul will be present and work with line crew to install and with CAD to test (blue sheet test)



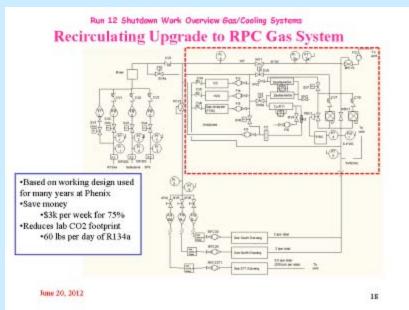






RPC Station 1 North and South Cooling Upgrade & Monitoring





RPC Recirculation Upgrade

Recirculation Piping installation - In Progress

GMH rack moving along Purification system controls assembly, installation and testing - D. Northacker to finish in December

PC upgrade - November

Analyzer procurement in process (~4 months)



VTX/FVTX Cooling Upgrade

- Piping ~ done
- New filtration system in place, mostly connected
- Big Wheel manifolds assembled ready for installation at 1008
- · Chiller 1 repair done





RPC Background Attenuation Project





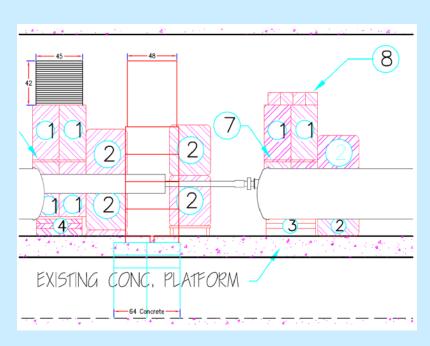
Looking towards RPC3 North

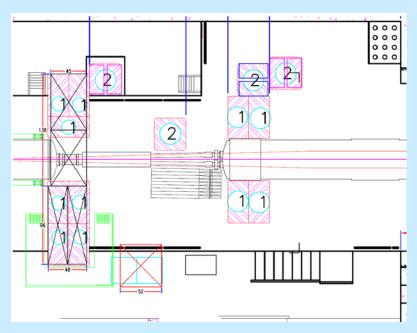
← East West →

Looking towards RPC3 South

← West East →

Large shielding modifications at Q2 upstream north and south to be planned and installed by CA-D (Dave Phillips) by 12/14/2012. In progress this week





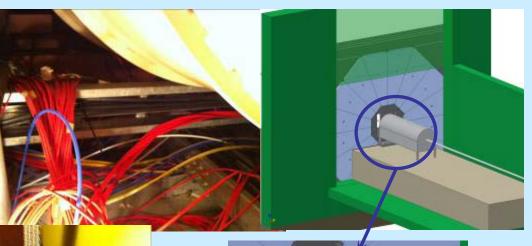


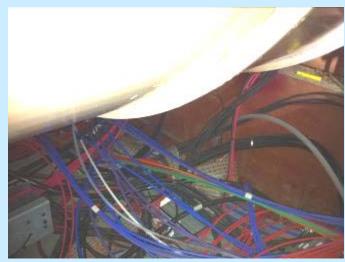
RPC Background Attenuation Project

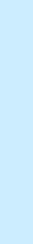


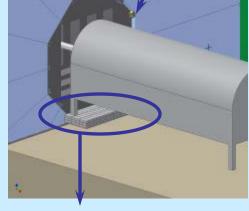
Under DX at RPC3 North

← East West → Under DX at RPC3 South ← West East \rightarrow









144 Steel bricks, 2x4x8, stacked in 3 high, 16 wide, 3 rows, respectively by 11/21

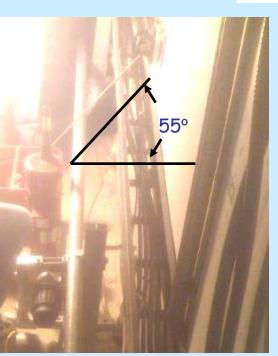


Window Washer Remote Pin Removal and Winch/spooler safety upgrades

Space available: 16.5" x 27" x 28" h









New Electrical Work for 2012 Shutdown, to be accomplished as time is available

1. Remote breaker switch - parts ready install partially completed. Repaired broken breaker installation and blue sheet test of breaker scheduled fore Dec. 1 - Done

PHENIX Electronics Upgrades

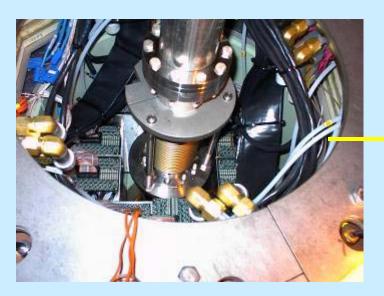
Install second MODBUS server in counting house. - TBD

Additional Work for 2012, not yet scheduled, to be fit in as available

- 1. identify obsolete services passing through sill and remove them. As time is available
- 2. Cover for services coming from IR through sill. After Shutdown
- 3. Plan for stripping out TEC electronics and services to free up TEC racks. As time is available



Existing vacuum bellows anti-squirm In MPC S Cavity



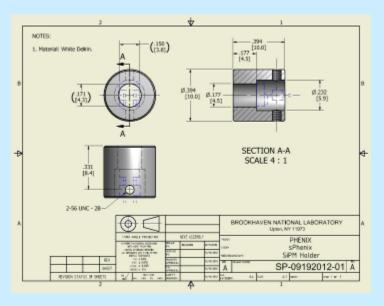


Proposed vacuum bellows anti-squirm
In MPC S Cavity to accommodate MPC-Ex



MPCS Flat cables replaced with round cables.

Z-AXIS EXTENSION RAILS X-AXIS RAILS RAIL SUFFORT

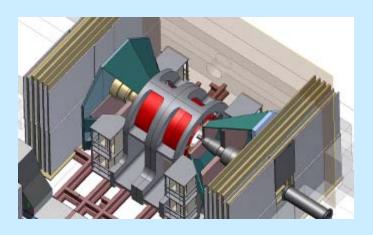


sPHENIX Proposed Upgrade

Work continues evaluating engineering tradeoffs for EMCal and HCal design, materials, etc.

BNL Review last week

Prototype HCal and EMCal in progress



Silicon Photo Multiplier Holder

Re-install MMN access panel on lampshade

Prep for EC roll in

Substation breaker upgrade/test (CAD)

Done

Install MTP patch bay and jumpers for FVTX in counting house. Add several backup MTP fibers from CH to IR - November MuID Collars to IR, plates, manlift and 12 ton cart to AH,

& Roll in EC

Prep IR for run
VTX Cooling System Upgrades
RPC tunnel Shielding (Dave Phillips)

RPC Recirculation Upgrade (except analyzer)

RPC Shielding under DX magnets
Window Washer pin & spool upgrades

Christmas Holidays

Pre-run commissioning and prep for run 13

Pink/Blue/White sheets

Start run 13

Done

12/7/2012

12/3-12/7

12/7-12/12/2012

12/12/2012 12/14/2012

12/21/2012

12/21/2012 12/21/2012

12/21-1/1/2013

1/11/2013

12/12/12-1/11/2013

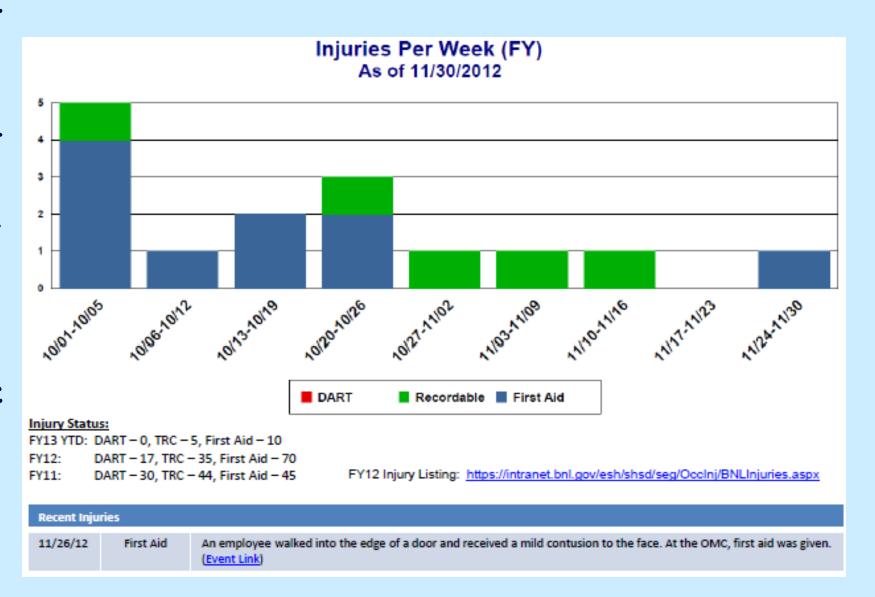
2/11/2013

- 1. PHENIX Annual Safety Review (Don, Paul, Rob)
- 2. Power Outage?
- 3. New Ladder Interim SBMS



Recent Events		
11/28/12	Non- Reportable	After a bucket lift finished having its two lead-acid batteries charged in B1006, it was started up and experienced a battery failure soon after startup before the lift was even moved. Investigation showed that the battery, which was in a closed compartment, had the top of one cell fail. There was no impact to the environment from acid and no personal injury. The lift is currently out of service awaiting battery replacement. (Event Link)
11/27/12	Non- Reportable	BNL Fire Rescue responded to an alarm of fire in Building 490. The cause of the alarm was traced to smoke generated by an overheated ventilation fan. The fan was removed from service and electrically isolated by BNL electricians. No one was injured. There was no fire. (Event Link)
11/26/12	SC-3	A Science Education Center employee experienced a very minor electrical shock (tingling sensation) while plugging a computer into a 120Vac convenience outlet. The employee further stated that treatment by OMC was not necessary. At this time, the 120V convenience outlet is believed to be the cause. The outlet was removed from service pending further investigation/remediation by BNL electricians. UPDATE: 11-29-12, On 11-27-12, the employee reported to OMC and was cleared to return to work without restriction. After further evaluation, Management has elected to raise the reportability of this event to a SC-3 Management Concern Occurrence Report. (Event Link)
11/26/12	Non- Reportable	A Heavy Equipment Mechanic/Operator was transporting a piece of construction equipment on a flat low bed trailer pulled by a front end loader. The transportation route proceeded northbound on Rochester St. to Brookhaven Ave. After making the right turn onto eastbound Brookhaven Ave., the hitch pin connecting the trailer to the tow vehicle snapped in half. The trailer dropped, coming to rest on the trailer's landing gear. The safety chains from the trailer remained attached to the tow vehicle, keeping the trailer under control at all times. The trailer was re-attached to the tow vehicle using a new tow hitch pin, and transportation of the equipment to the job site continued without further incident. There were no injuries nor property damage resulting from this incident. (Event Link)
11/26/12	Non- Reportable	While unloading a shipment of material from a steel pallet at Building 98, a nitrogen cylinder fell to the floor when the tie-down straps were removed. No one was injured and there was no apparent damage to the cylinder. (Event Link)
11/21/12	SC-3	Waste management personnel entering the Building 855 RCRA Reactive Waste processing room discovered that a pint bottle of Borane Tetrahydrofuran complex solution had apparently over pressurized. The over pressurization caused the glass container to shatter and dislodge a metal shelf above the container. Further investigation is under way. There was no evidence of fire, and personnel were not present at the time of the over pressurization. (Event Link)

TECHNICAL NUPPORT 2012



Where To Find PHENIX Engineering Info

PHENIX Holiday Dinner Next Week

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm